

## **Power of Four** [\(View\)](#)

Given an integer `n`, return `true` if it is a power of four. Otherwise, return `false`.

An integer `n` is a power of four, if there exists an integer `x` such that `n == 4x`.

### **Example 1:**

**Input:** `n = 16`

**Output:** `true`

### **Example 2:**

**Input:** `n = 5`

**Output:** `false`

### **Example 3:**

**Input:** `n = 1`

**Output:** `true`

### **Constraints:**

- `-231 <= n <= 231 - 1`

**Follow up:** Could you solve it without loops/recursion?